

# **vibratory motion distribution conveyor**





## the ultimate vertical conveying system

tna roflo® VM 3 is the ultimate vertical conveying system that moves product via vibratory motion. Due to both the horizontal and vertical transportation method, the tna roflo® VM 3 is well suited to even out product highs and lows, and offers the most efficient method for in-line storage.



### key benefits

- » Suits any production needs with versatile design that includes many pan options to choose from
- » Ensure a constant amplitude is maintained regardless of the load on the tray with closed loop control
- » Low energy consumption that works on natural frequency and no wearing parts for a longer life-cycle and reduced maintenance requirements
- » Incline capability up to 10 degrees with no limit on distance
- » Choose from gateless proportional or gated pan options that are very easy, simple and quick to clean
- » Seamless integration with tna intelli-flav® seasoning system to enhance performance, efficiencies and energy savings for any food production line

### standard features

- » Compact microprocessor controller
- » Built in feedback sensor into the electromagnetic coil
- » Connectivity via a plug and socket
- » Continuous welded construction

### optional features

- » Gated formats
- » Wet wash and dry environment designs (available on the full range)
- » Vibratory scarf feeders
- » Seasoning solutions
- » Fully automated multipack systems at high speed
- » Custom pans



baked snacks



cereals



confectionery



fresh produce



pet foods



frozen



nuts



pasta



snacks



seafood



dairy



meat poultry

## specifications

tna roflo <sup>®</sup> VM 3	standard	large	cross feeders
pan section size			
width x depth mm (in)	450 (17.7) X 150 (5.9)	750 (29.5) X 200 (7.9)	300 (11.8) X 150 (5.9)
transfer rate kg/hr (lbs/hr)			
density @55 g/L (lbs/gal)	1114 (2456)	3713 (8186)	743 (1638)
density @100 g/L (lbs/gal)	2025 (4464)	6750 (14881)	1350 (2976)
density @200 g/L (lbs/gal)	4050 (8929)	13500 (29762)	2700 (5952)
capacity m3/hr (cfm)	20 (11.8)	68 (40)	14 (8.2)
noise level dB(A) @ 1 m	70	70	
transfer speed max m/min (ft/min)	15 (49.2)	15 (49.2)	15 (49.2)
power consumption kW (hp)	0.25 (0.3)	0.4 (0.5)	0.1 (0.1)
floor loading			
conveyor mass kg/m (lbs/ft)	200 (134)	34 (22.9)	150 (101)

\* All above specifications are subject to change and may differ according to product. Please confirm when placing your order.



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